The South African Tuberculosis Vaccine Initiative (SATVI) performs cutting edge clinical, epidemiological and immunological research in clinical vaccine development, TB pathogenesis and biomarker discovery in a setting where TB is endemic. We have completed 31 clinical trials of nine novel TB vaccine candidates as well as BCG vaccine, including two pivotal trials that demonstrated efficacy. We are also leading efforts, along with a large international consortium, to discover immune correlates of vaccine protection against TB, including in lung and lymph node tissues.

We are inviting applications for a Data Scientist (PASS, PC10) position within our dynamic clinical immunology group. The successful candidate will design, development, and execution of computational analyses of high-dimensional omics and immunology datasets, including single-cell RNA sequencing (scRNAseq) and flow cytometry data relating to studies of M. tuberculosis infection, TB disease and/or vaccine trials of TB vaccines. The role will integrate domain knowledge of TB pathogenesis and vaccine trial immunology with data analysis approaches. The Data Scientist may also develop, implement and maintain reproducible analysis pipelines, computational workflows, and data-management systems, perform rigorous QC and ensure best practices for coding, version control, data sharing and documentation. The role will provide bioinformatics and biostatistical support, advice and solutions to SATVI investigators and collaborators, contribute to study design and participate actively in internal and external project meetings and discussions.

The position will be located in Cape Town and may require visits to our Clinical Field Site in Worcester, 110km from Cape Town. The position will provide opportunities to work in collaboration with local and global leaders in immunology, vaccinology and systems biology. For more information on SATVI, visit www.satvi.uct.ac.za or contact Prof Thomas Scriba.

For detailed information on this post, please view the job description on the following link: (view)

To view and apply for this position, please visit the UCT Jobs site **View** (For Internal Applicants) and **View** (For external Applicants) to create a profile and to submit your application.

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